

Surveillance at the Marine Corps' Recruit Depots

CDR David McMillan, MC, USN
Preventive Medicine Officer
Headquarters, USMC

Overview

- Depot locations and census
- Infectious Disease Surveillance
- Injury surveillance
- Instruction and education

Marine Corps Recruit Depots

- Parris Island, South Carolina:
 - ▶ Only female recruit training site.
 - ▶ 22,000 recruits per year.
 - ▶ Medical support - Naval Hospital, Beaufort.
- San Diego, California
 - ▶ 17,000 recruits per year.
 - ▶ Medical support – Naval Hospital, Balboa and Naval Hospital, Camp Pendleton.

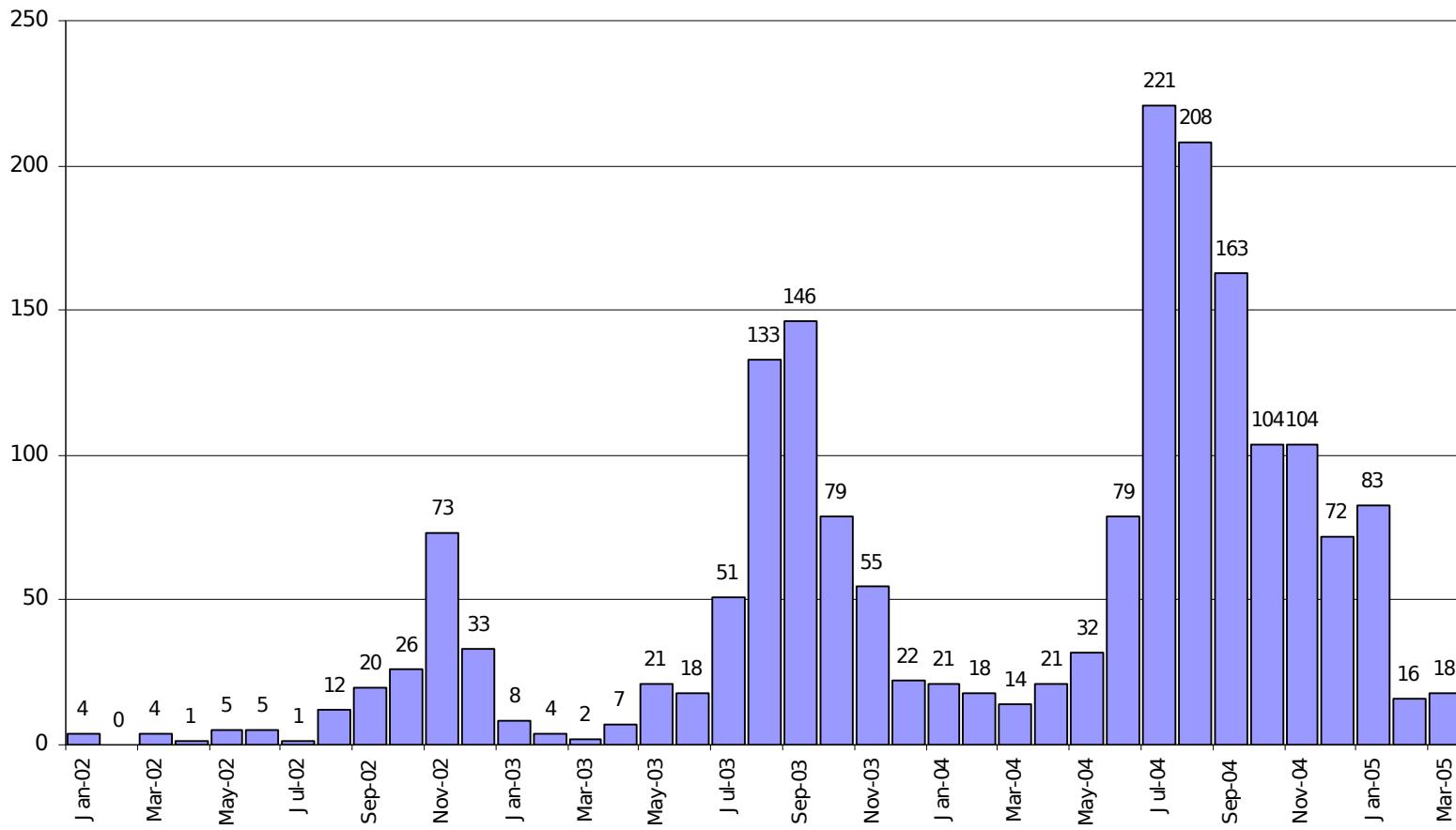
Surveillance Programs

- Initial screening:
 - ▶ Chlamydia, HCG and PAP screening for all female recruits.
 - ▶ Routine screens: G6PD, Sickle Cell, HIV, RPR, ABO Rh typing, PPD.
- Baseline audiogram and visual exam.
- Heat injury, MRSA, FRI, SMIP.
- Recruit Assessment Program (RAP).

Heat Injury Surveillance

- Surveillance by unit: water intake, activity levels, WBGT condition.
- Recruit sampling during Crucible phase of training for urine specific gravity testing.
- Detailed review of any heat casualty for causal factors.

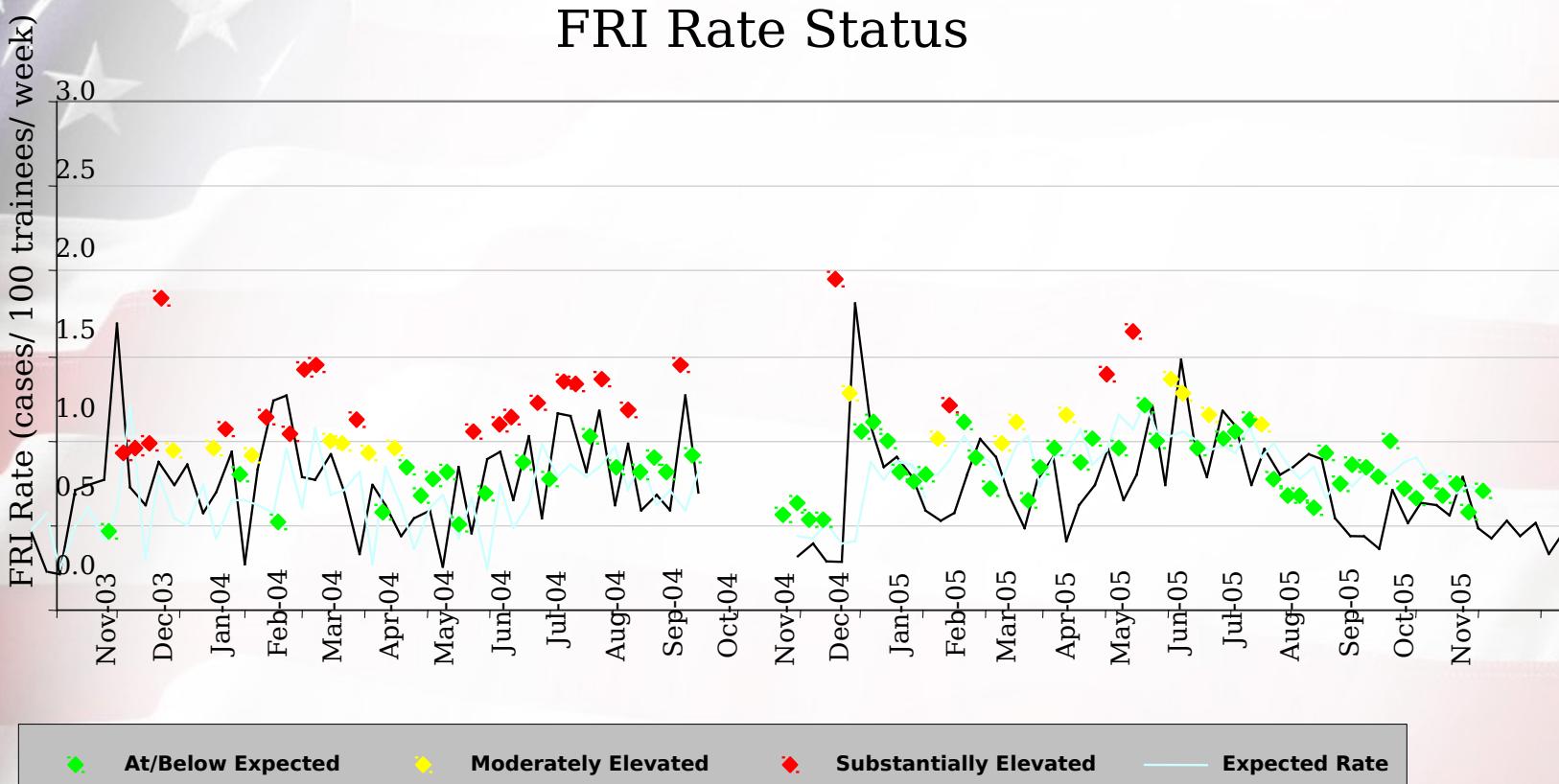
MRSA Surveillance at MCRD PI



Febrite Respiratory Illness

- Periodic review of data.
- Pneumonia and *S. pyogenes* surveillance.
 - ▶ Prophylaxis programs as appropriate.
- Specific interventions for units with rates greater than 1% for FRI.
- Viral identification via Naval Health Research Center. (Adenovirus, Influenza A and B, RSV, Parainfluenza 1, 2, and 3.)

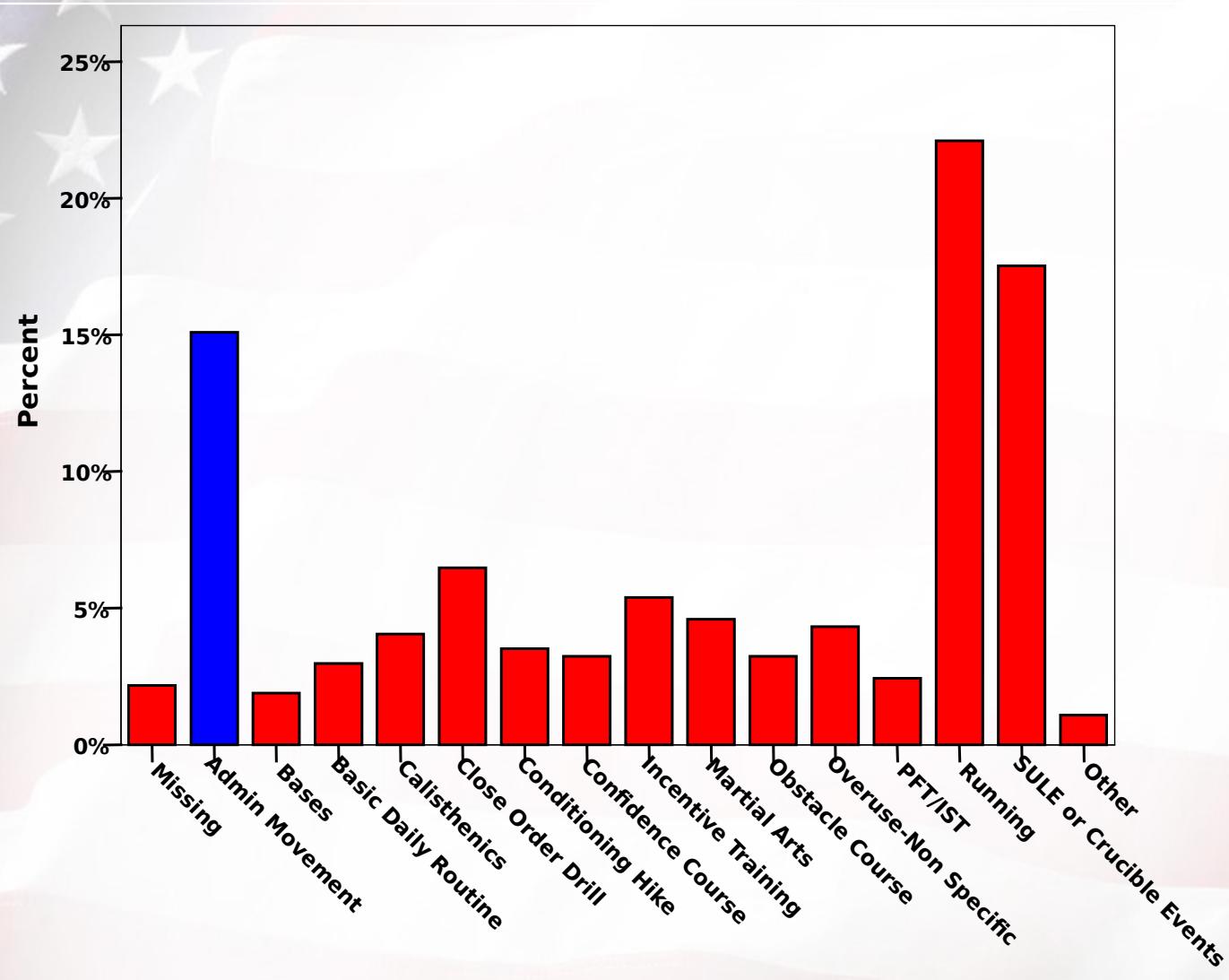
Febile Respiratory Illness



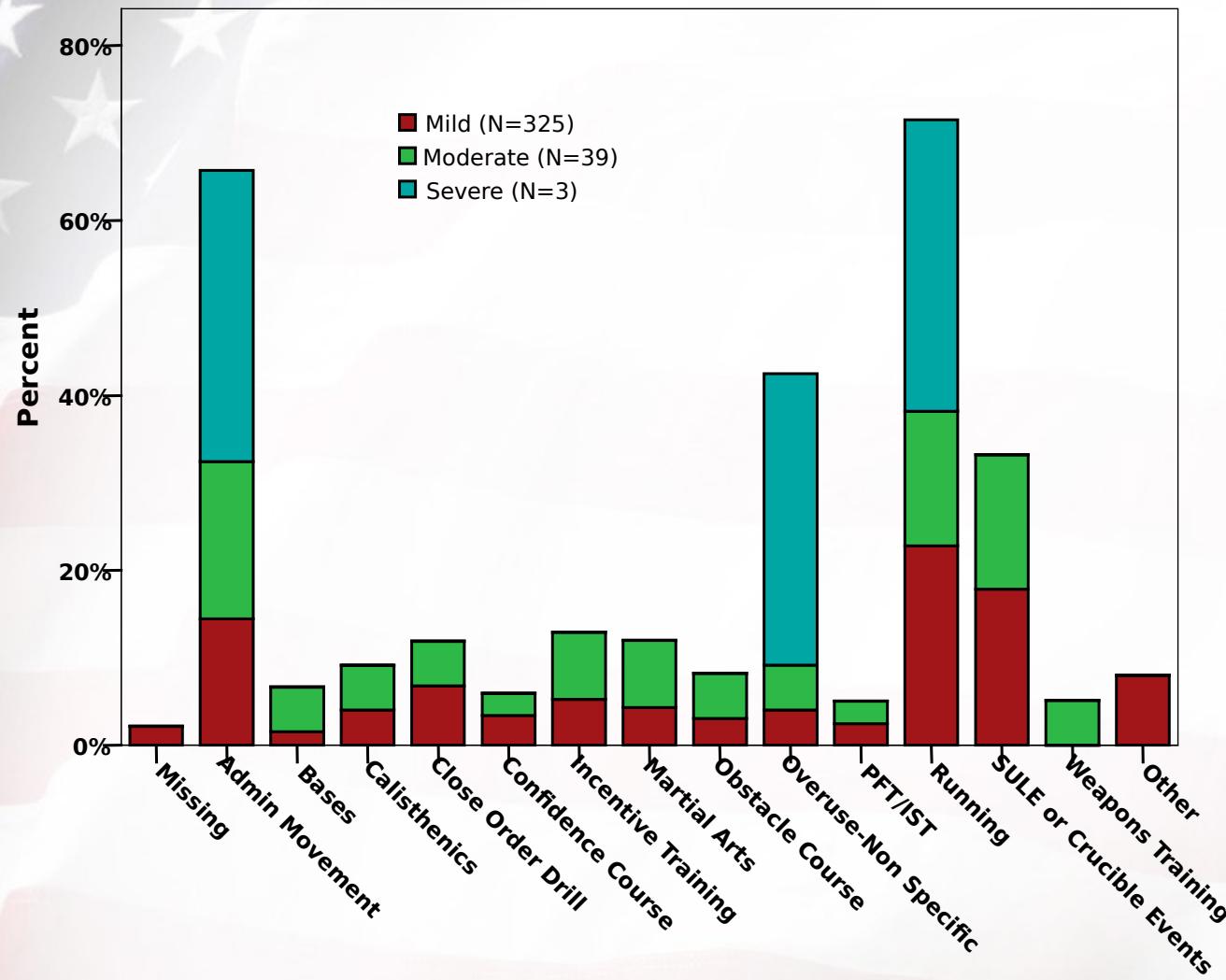
Sports Medicine Injury Prevention

- Initiated at entry-level training centers.
- Associated with Sports Medicine Clinics.
- Data collection and tracking.
- Certified Athletic Trainers.
- Primary prevention primary mission.
- Secondary prevention capabilities.

Monthly SMIP Report by Event



Injury Severity by Event



Training and Education

- Breast self-exam for women.
- Testicular self-exam for men.
- Hygiene and handwashing instruction.
- Hydration and heat injury avoidance.
- Injury prevention: before entry and during training.

A large, semi-transparent American flag serves as the background for the slide. The stars are in the upper left corner, and the red and white stripes are visible across the bottom.

Questions?